5 TO REMOVE BATTERY FOR DISPOSAL

THIS RECHARGEABLE POWER TANK IS POWERED BY SEALED LEAD-ACID BATTERY, ONE PC (12V 17 Ah/20 HR).

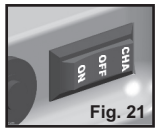


Fig. 21

- Make sure the POWER TANK is in the "OFF" position before removing battery. (Fig. 21)
- Make sure the POWER TANK is disconnected from charger which must be OFF from the electric supply. (Fig. 23)
- Remove the spotlight by loosening the screw.
- Face the POWER TANK down and open into 2 halves by unscrewing screws counterclockwise. (Fig. 22)
- Cut wires to remove battery.

CAUTION: THERE MAY BE AN ELECTRIC SHOCK.

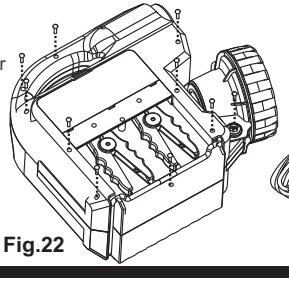


Fig.22

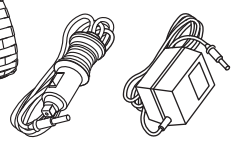

DISCONNECTED

Fig.23

6 TROUBLESHOOTING

PROBLEM	POSSIBLE	SOLUTION
1. NO LED INDICATOR (LOW or CHARGE) WHEN SWITCH IN 'ON' POSITION	CIRCUIT BREAKER CUT OFF CIRCUIT	RESET THE CIRCUIT BREAKER ACCORDING TO THE INSTRUCTION
2. NO LED INDICATOR (FULL or CHARGE) WHEN RECHARGING.	CIRCUIT BREAKER CUT OFF CIRCUIT	RESET THE CIRCUIT BREAKER ACCORDING TO THE INSTRUCTION
3. DC-12V OUTPUT DOESN'T WORK WHEN SWITCH IN 'ON' POSITION .	CIRCUIT BREAKER CUT OFF CIRCUIT	RESET THE CIRCUIT BREAKER ACCORDING TO THE INSTRUCTION
4. DC 3, 6, 9V OUTPUT DOESN'T WORK WHEN SWITCH IN 'ON' POSITION.	FUSE WAS BROKEN	REPLACE THE FUSE ACCORDING TO THE INSTRUCTION

7 STARTING AID FOR MOTOR VEHICLES

- The jumper cable with the battery clips is located on the rear of the unit. (Fig. 24)
- Do not take the jumper cables out of the unit unless you need them.
- The POWER TANK can only be used as a starting aid when the vehicle's battery is only partially discharged. Thus, only a limited capacity can be transferred into the vehicle's battery.

Fig.24

HOW TO USE THE POWER TANK TO START A VEHICLE:

- The ON/OFF switch can be set to"ON" or "OFF" position for the starting aid function.
- Connect the POSITIVE pole (+) of the POWER TANK to the POSITIVE pole (+) of the vehicle battery.
- Connect the NEGATIVE pole (-) of the POWER TANK to the NEGATIVE pole (-) of the vehicle battery.
- Leave the POWER TANK connected to the vehicle battery for around 20 minutes.
- After approximately 20 minutes, disconnect the jumper cable from the NEGATIVE pole (-) of the vehicle battery.
- Then disconnect the jumper cable from the POSITIVE pole (+) of the vehicle battery.
- This partial charge should be sufficient to start the vehicle.
- The POWER TANK need to be recharge after giving this starting aid.

WARNING:

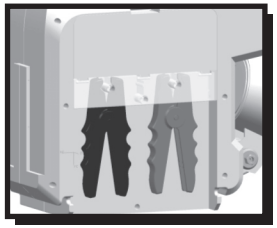
- The Fuse and Switch is not function on the connect (+) (-) pole, current is directly flow from the battery, Once the jumper cables is connected, NEVER allow the cables touch together or left on the same metal surface, these will result in short circuit and may start a fire.
- NEVER ATTEMPT TO START THE VEHICLE WITH THE POWER TANK CONNECTED.

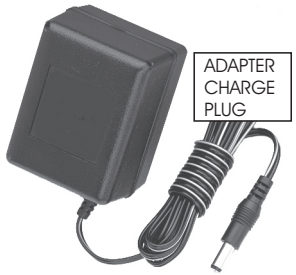
8 SPECIFICATIONS

Batteries :	One Pcs. 12V / 17Ah Rechargeable Sealed Lead-Acid Battery.
Operation Temp. :	32°F to 86°F / 0°C to 30°C
DC 12V Output :	D.C. 12V / 10A output with 15A CIRCUIT BREAKER. Negative Ground. ⊕—⊖
DC 3,6,9V Output :	D.C. 3,6,9V / 1A output with 2 A FUSE Negative Ground. ⊕—⊖
Weight :	20 lbs. / 9.1 Kg. (Approx.)
Dimension :	355 H x 345 W x 132 D / 13.9" x 13.6" x 5.2" (Approx.)

NOTE:
THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

CELESTRON®
POWER TANK 17


BUILT-IN JUMPER CABLE WITH CLAMP


ADAPTER CHARGE PLUG

DC POWER CORD

PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE USE

1 RECHARGE

IMPORTANT

- Make sure that your battery charger is set to the proper voltage setting before recharging. (FIG. 1 & 2)
- Charge your POWER TANK before using the first time.
- Always make sure the switch is "OFF" when not in use.
- Never attempt to use the battery charger provided for other products.
- If yellow LED light is on during operation, battery is weak and should be recharged. (FIG. 5)
- It is not recommend to use continuously when yellow LED light is ON, do not use in this condition and recharge immediately.
- Do not exceed recommended charging times. Explosion hazard exists if not follow this instruction sheet.
- Do not expose to extreme heat, flame, rain or moisture. (FIG. 3)

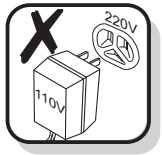


FIG. 1

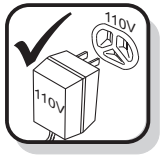


FIG. 2

FIG. 3

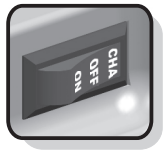


FIG. 4

WARNING:

- CONTINUOUS USE WHEN THE BATTERY IS LOW , WILL DAMAGE THE BATTERY AND MAY AFFECT THE ABILITY TO RECHARGE YOUR POWER TANK.
- RECHARGE AFTER EVERY USE, FOLLOW THE INSTRUCTIONS TO RECHARGE.

FIG. 5

BATTERY INDICATOR LIGHTS

Battery light indicator

Green	*Fully charged (OFF / charge cycle only)*
Red	*Charging in progress (OFF / charge cycle only)*
Yellow	*Needs recharging (ON / run cycle only)*
Green	*Ready to use (ON / run cycle only)*

HOW TO RECHARGE

AC RECHARGING

- Push the main switch to the "CHA" position (FIG. 4) and insert the small end of the included AC adapter into the charge input jack located on SIDE PANEL of POWER TANK.
- Plug the charger into an appropriate electrical outlet. (FIG. 1 & 2). The RED recharging light should come "ON" indicating the battery is recharging. (FIG. 6)
- Charge the battery for 15 to 20 hours before initial use or long period of storage. After the initial charge, subsequent charges need only be 10 to 12 hours (approx). If the unit is used too long after the yellow light comes on, recharging could take up to 20 hours.

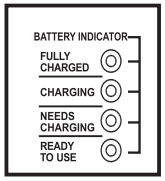


FIG. 6

DC RECHARGING

- The DC recharging adapter is located in the compartment on the back side of the Power tank.
- Push the power switch to the "CHA" position (FIG. 4) and insert the provided "DC POWER CORD" into the charge input jack located on the SIDE PANEL of POWER TANK. (FIG. 6)
- Insert the other end into the cigarette lighter and rotate to make a good electrical contact. (FIG. 8) The red light should come "ON" indicating the battery is recharging. (FIG. 6) Use DC 12V negative ground system only. ⊕⊸⊖
- The POWER TANK should be charge for 10 to 12 hours (The charging rate would be 14.5 volts to 15.5 volts) while driving before initial use or long period of storage. After the initial charge, subsequent charges need last only 6 to 8 hours (approx).

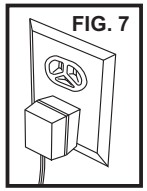


FIG. 7

NOTE:

It is not recommended that charging the battery while the car engine is not running drains the car battery. **Engine must be running and the charging system functioning properly in order to initiate a charge.** The ideal charging rate would be 14.5 volts to 15.5 volts, nearly identical to the charging system in most vehicles. If the unit is used too long after the yellow light come ON, recharging could take up to 8 hours.

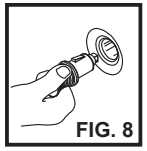


FIG. 8

WARNING:

- DON'T PLUG IN THE CIGARETTE LIGHT PLUG AND CHARGE THE UNIT WITHOUT STARTING THE ENGINE. THAT MAY DESTROY YOUR VEHICLE'S BATTERY.
- ALWAYS RECHARGE AT OPEN AREA, EXPLOSIVE GAS MAY GENERATE DURING OVERCHARGING.

2 STORAGE

- High Temperature above 40 ˚C should be avoided.
- It is important to store the POWER TANK in a clean, cool and dry place. Radiant heat such as sunshine, heating units, radiators or steam pipes will shorten the life of the POWER TANK.
- For longest life, POWER TANK should be fully charged before going into storage. The POWER TANK stored at 10 ˚C or lower should be recharged at least once per six months. The POWER TANK stored at 10 ˚C TO 27 ˚C should be charged every 3 months and recharging should occur every 45 days in temperature from 27 ˚C TO 40 ˚C. The storage battery discharges automatically when the Power Tank is not used for a long time.
- Make sure the POWER TANK IS "OFF" before going into storage.

3 OPERATION

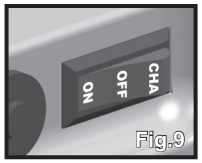


Fig.9

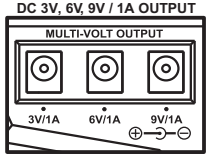


Fig.10

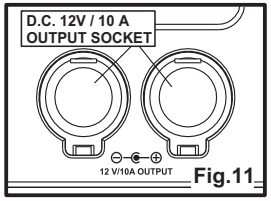


Fig.11

Power Supply

- Make sure your devices match the power tank's rating - 10Amp for DC 12V & 1 Amp for DC 3, 6, 9V. (FIG.10, 11)
- Connect your device to appropriate output receptacle.
- Switch "ON" the power tank before turning ON your device. (FIG.9)

Flashlight

- Switch "ON" the power tank. (FIG.9)
- Press Flashlight "ON/OFF" button to operate "ON - FLASH - OFF". (FIG.12)
- Flashlight can be detached for remote operation, screw clockwise and pull out to detach. To reinstall, use the lever behind the lid on the back of the flashlight to recoil the cord then push the flashlight back in and turn counter-clockwise.

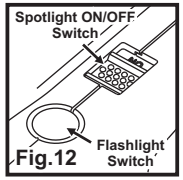


Fig.12

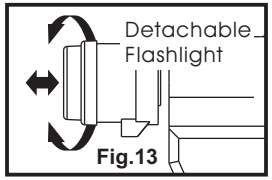


Fig.13

Powerful Spotlight

- Adjust the spotlight head to desired direction. (FIG.15)
- Switch ON the power tank. (FIG.9)
- Switch ON the spotlight. (FIG.12)

Radio

- Switch "ON" the power tank. (FIG. 9)
- Turn the volume knob clockwise to turn "ON" the radio.
- Select AM or FM. (FIG.14)
- Adjust the frequency and volume as desired. (FIG.14)

Emergency Siren

- Switch "ON" the power tank. (FIG. 9)
- Turn the FM / AM / SIREN selector to SIREN position. (FIG.14)

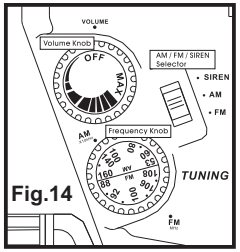


Fig.14

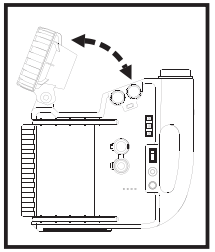


Fig.15

WARNING:

- DO NOT OVERLOAD THE POWER TANK, DC 12V / 10A, DC3, 6, 9V/ 1A
- THE GLASS, REFLECTOR CUP AND THE BULB IS EXTREMELY HOT WHEN OPERATING, DON'T TOUCH IT !!
- DO NOT USE TO JUMP START FROM DC 12V OUTPUT JACK. SHORT CIRCUIT OR CIRCUIT BREAKER CUT OFF WILL RESULT.

4 REPLACEMENT

FLASHLIGHT BULB

- Make sure to switch "OFF" the power tank and flashlight. (FIG. 16)
- Make sure the light has COOLED DOWN before replace the bulb.
- Detach it by screw clockwise and pull out.
- Remove the light cap by screwing it counter clockwise. (FIG. 17)
- Screw the bulb counter-clockwise to take off and replace with a new bulb.
- Reassemble the light cap and reinstall to main body by pushing in and screw counter-clockwise.

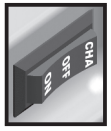


Fig.16

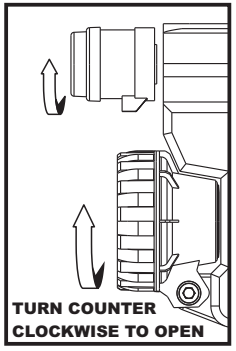


Fig.17

SPOTLIGHT BULB

THE SPOTLIGHT USES - H3 12V 55W HALOGEN BULB.

- Make sure to turn "OFF" the power tank (FIG. 16)
- Make sure the light is COOLED DOWN before replacing the bulb.
- Remove the light head by turning it counter clockwise (FIG. 17)
- Lift up the reflector, and replace the bulb as shown on figure. (FIG. 18)
- Never touch the glass portion of the bulb with finger. Tiny dirt or oil will cause the glass to crack when lighting.
- Replace the reflector and reassemble the light head.

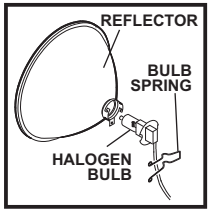


Fig.18

CIRCUIT BREAKER

Your power tank has a built-in circuit breaker to ensure a safe operation. If the output current goes over 12V, the circuit breaker will cut off the power.

HOW TO RESET THE CIRCUIT BREAKER

- Turn "OFF" the power tank.
- Press the CIRCUIT BREAKER Button to reset it. (FIG. 19)

Fig.19

Fig.20

WARNING: DO NOT RECHARGE WHEN RESETTING THE CIRCUIT BREAKER

FUSE

If the 3V, 6V 9V is overload the fuse will break. Just turn "OFF" the Power Tank (Fig 16). Open the fuse cap (Fig. 20) and replace with a new 2 Amp Fuse.